

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended)** An optical device adapted to receive an optical fiber having a core through which optical signals propagate, the optical device comprising:
a housing having:
an opening for receiving a terminal end of the optical fiber, and
a port located on a portion of the housing substantially opposite to the opening for receiving a terminal end of the optical fiber; and
an optical component having a first facet and a second facet, the second facet being parallel to the first facet, the first facet of the optical component contacting the terminal end of the optical fiber so that the optical signals are incident upon the first facet, while the second facet of the optical component is disposed from the terminal end a distance that enables the optical signals which are internally reflected within the optical component to be substantially prevented from entering into the terminal end of the optical fiber; and
a mount configured to position the optical component within at least a portion of the port, wherein a portion of the second facet of the optical component contacts the mount, and wherein the mount is configured to hold a portion of the first facet of the optical component against the housing.
2. **(Original)** The optical device as recited in claim 1, wherein the first facet is normal to the axis of the terminal end of the fiber.
3. **(Original)** The optical device as recited in claim 1, wherein the optical component is formed from a material selected from the group consisting of glass and plastic.
4. **(Currently Amended)** The optical device as recited in claim 1, wherein the housing ~~further comprises a port~~ is adapted to receive an optoelectronic package.

5. **(Original)** The optical device as recited in claim 4, wherein the optoelectronic package comprises a package selected from the group consisting of a receiver optical sub-assembly and a transmitter optical sub-assembly.

6. **(Original)** The optical device as recited in claim 1, wherein the housing comprises a base and a ferrule.

7. **(Original)** The optical device as recited in claim 6, wherein the base comprises a protrusion that cooperates with the optical component to position the optical component within an opening of the ferrule.

8. **(Canceled)**

9. **(Previously presented)** An optical device adapted to receive an optical fiber having a core through which optical signals propagate, the optical device comprising:

a housing comprising:

a ferrule having the optical fiber connected thereto,

a port formed in the housing and located on a portion of the housing substantially opposite the ferrule, and

a base configured to receive the ferrule; and

a first optical component having a first facet and a second facet, the second facet being parallel to the first facet, the first optical component held within the base and positioned so that the first facet abuts a terminal end of the optical fiber when the ferrule is received in the base, the first optical component also having a diameter that is greater than a diameter of the core of the optical fiber; and

a mount configured to position the optical component within at least a portion of the port, wherein a portion of the second facet of the optical component contacts the mount, and wherein the mount is configured to hold a portion of the first facet of the optical component against the housing.

10. **(Original)** The optical device as recited in claim 9, wherein the ~~base further comprises a port~~ is configured to receive a second optical component therein.

11. **(Original)** The optical device as recited in claim 10, wherein the base further comprises a region, disposed between the first optical component and the second optical component, which has a refractive index lower than a refractive index of the first optical component.

12. **(Original)** The optical device as recited in claim 10, wherein the base further comprises an air gap disposed between the first optical component and the second optical component.

13. **(Original)** The optical device as recited in claim 10, wherein the second optical component is a transmitter sub-assembly.

14. **(Original)** The optical device as recited in claim 13, wherein the transmitter sub-assembly comprises a laser transmitter capable of generating electromagnetic radiation carrying the optical signals and a lens in optical communication with the laser transmitter, wherein said lens focus the electromagnetic radiation upon the terminal end of the optical fiber.

15. **(Original)** The optical device as recited in claim 9, wherein the optical component has an axis that is perpendicular to a facet formed at the terminal end of the optical fiber.

16. **(Original)** The optical device as recited in claim 9, wherein the optical component has a thickness of less than about 2 mm.

17. **(Original)** The optical device as recited in claim 9, wherein the optical component has a thickness of approximately 1 mm.

18. **(Canceled)**

19. **(Currently Amended)** The optical device as recited in claim [[18]]9, wherein the mount comprises a lip disposed about a periphery of the mount and one or more member extending from the periphery of the mount.

20. **(Previously presented)** An optical device adapted to receive an optical fiber having a core through which optical signals propagate, the optical device comprising:

a housing having an opening for receiving a terminal end of the optical fiber and a port adapted to receive an optoelectronic package, wherein the opening for receiving a terminal end of the optical fiber includes a post;

a ferrule having the optical fiber connected thereto, the post being configured to extend into the ferrule; and

an optical component supported by the ~~housing~~post, the optical component having a first facet and a second facet that are parallel to each other, the first facet contacting the terminal end of the optical fiber so that the optical signals are incident upon the first facet, and the second facet being disposed from the terminal end a distance that enables the optical signals which are internally reflected within the optical component to be substantially prevented from entering into the terminal end of the optical fiber

21. **(Canceled)**

22. **(Original)** The optical device as recited in claim 20, wherein an air gap is disposed between the optical component and the optoelectronic package.

23. **(Original)** The optical device as recited in claim 20, wherein the optoelectronic package is a TOSA.

24-25. **(Canceled)**